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Grade 7: Math  
1.1: Mixed and Improper Fractions

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Improper fractions are: \_\_\_\_\_

\_\_\_\_\_

Examples of improper fractions:

Mixed fractions are: \_\_\_\_\_

\_\_\_\_\_

Examples of mixed fractions:

Which of the following numbers are improper fractions?

a.  $\frac{2}{5}$

b.  $\frac{5}{3}$

c.  $\frac{2}{21}$

d.  $\frac{12}{7}$

e.  $\frac{3}{2}$

f.  $\frac{11}{12}$

g.  $\frac{119}{191}$

h.  $\frac{21}{8}$

i.  $\frac{67}{46}$

Convert the mixed fractions to improper fractions.

a.  $\frac{12}{5}$

b.  $\frac{15}{4}$

c.  $\frac{8}{3}$

d.  $\frac{27}{7}$

e.  $\frac{3}{2}$

f.  $\frac{11}{12}$

g.  $\frac{19}{4}$

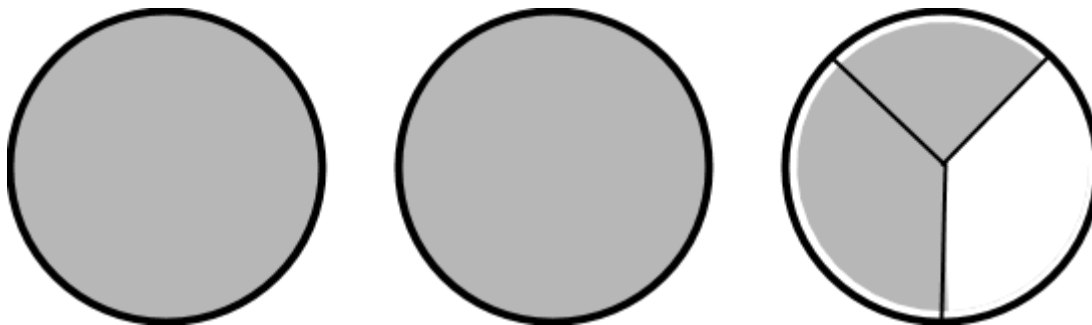
h.  $\frac{21}{8}$

i.  $\frac{67}{4}$

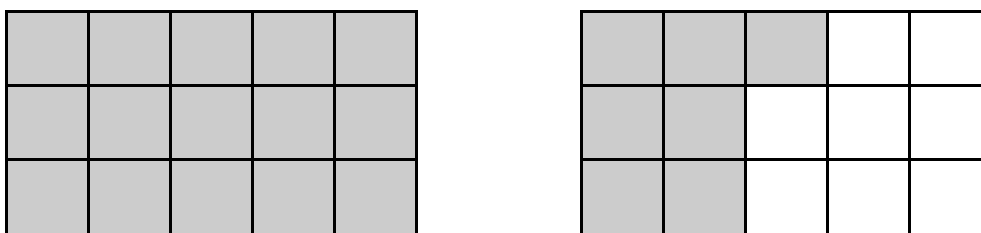
Representing mixed numbers using shapes.

What number does the shaded portion represent?

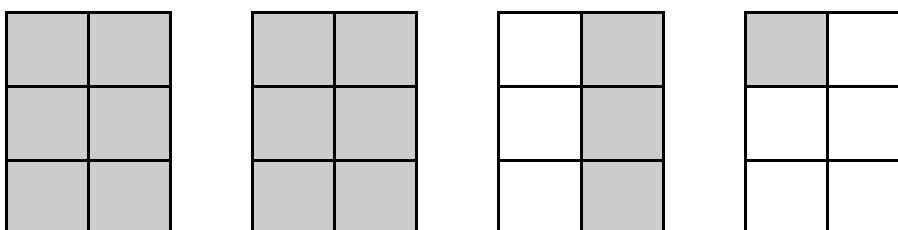
a.



b.



c.



Adding and subtracting mixed numbers.

1.  $2\frac{1}{2} + \frac{1}{2}$

6.  $4\frac{1}{2} + \frac{1}{3}$

2.  $5\frac{2}{7} + 6\frac{1}{7}$

7.  $2\frac{2}{7} - 5\frac{1}{3}$

3.  $3\frac{1}{12} - \frac{5}{12}$

8.  $\frac{1}{12} + 3\frac{5}{6}$

4.  $\frac{1}{8} + 2\frac{7}{8}$

9.  $\frac{1}{8} - 4\frac{3}{4}$

5.  $9\frac{3}{4} - 2\frac{3}{4}$

10.  $4\frac{3}{9} - 2\frac{6}{9}$